

L Number	Hits	Search Text	DB	Time stamp
-	447	381/77.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 14:12
-	118	381/71.7.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 14:12
-	34	381/71.7.ccls. and piezoelectr\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 14:25
-	5	(381/71.7.ccls. and piezoelectr\$5) and (node nodla antinod\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 14:26
-	7	(381/71.7.ccls. and piezoelectr\$5) and (node nodal antinod\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 14:29
-	338	381/354.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 14:30
-	20	381/354.ccls. and (piezo piezoelectric\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 14:39
-	1	2414489.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 14:32
-	591	antinod\$3 and piezoelectric\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:44
-	459	(antinod\$3 and piezoelectric\$5) and (panel board resona\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 14:40
-	220	((antinod\$3 and piezoelectric\$5) and (panel board resona\$5)) and (cancel\$4 absorb\$3 attenuat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:26
-	31	((antinod\$3 with piezoelectric\$5) and (panel board resona\$5)) and (cancel\$4 absorb\$3 attenuat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:15
-	0	smart adj panel and \$4speaker	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:15
-	0	smart adj panel and \$4speaker	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:16
-	5922	panel with \$4speaker	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:17
-	67	381/164.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:26

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-	268	381/152.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:26
-	57	381/152.ccls. and (cancel\$4 absorb\$3 attenuat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:26
-	4	(381/152.ccls. and (cancel\$4 absorb\$3 attenuat\$3)) and antinod\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:28
-	90	"new transducers limited"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:30
-	79	"new transducers limited".asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:31
-	206	azima.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:31
-	90	"azima, henry".in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/04 07:47
-	13	"KIM, JAE-HWAN".in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:35
-	24	"KIM, JAE HWAN".in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:35
-	10	antinod\$3 and piezoelectric\$5 and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:37
-	284	anti adj nod\$2 and piezoelectric\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:45
-	809	(anti adj nod\$2 antinod\$2) and piezoelectric\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:49
-	30	(anti adj nod\$2 antinod\$2) and piezoelectric\$5 and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:22
-	421	bending adj wave	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:01
-	53	(bending adj wave) and noise	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 15:57
-	6	4527371.URPN.	USPAT	2004/03/02 16:00

-	126	bending adj wave and (piezo piezo adj electric\$4 piezoelectric\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:07
-	19	(bending adj wave and (piezo piezo adj electric\$4 piezoelectric\$4)) and noise	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:06
-	56	bending adj wave and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:10
-	942	(bending standing) adj wave and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:10
-	942	(bending standing) adj wave and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:13
-	395	((bending standing) adj wave and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (381/\$.ccls. audio audible sound music)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:14
-	946	((bending standing) adj wave distributed adj mode) and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:13
-	399	((((bending standing) adj wave distributed adj mode) and (piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (381/\$.ccls. audio audible sound music)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:14
-	0	6201872.URPN.	USPAT	2004/03/02 16:21
-	60	381/71.2.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:24
-	23	381/71.2.ccls. and piezoelectric	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:24
-	11	381/71.2.ccls. and piezoelectric and (anti adj nod\$2 antinod\$2 resonan\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:30
-	5	("4924640" "5107634" "5491938" "5816122" "6032552").PN.	USPAT	2004/03/02 16:27
-	493	310/322.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:41
-	13	310/322.ccls. and (soundproof sound adj (cancel\$4 absorb\$3 attenuat\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:41
-	652	310/321.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:41

-	3	310/321.ccls. and (soundproof sound adj (cancel\$4 absorb\$3 attenuat\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:42
-	171	310/321.ccls. and (soundproof (cancel\$4 absorb\$3 attenuat\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:44
-	36	(310/321.ccls. and (soundproof (cancel\$4 absorb\$3 attenuat\$3))) and (wall panel)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:47
-	5	("2043416" "4044203" "4715559" "4947434" "5091953").PN.	USPAT	2004/03/02 16:45
-	334935	sound.ti. wall.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:47
-	2834	sound.ti. and wall.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:47
-	5	(sound.ti. and wall.ti.) and 381/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:48
-	76	381/71.7.ccls. and (wall panel)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:49
-	84	381/71.7.ccls. and (wall panel board)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 16:49
-	32	381/71.7.ccls. and (wall panel board) and (piezoelectric\$4 piezo adj electric\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 17:32
-	8	5515444.URPN.	USPAT	2004/03/02 16:52
-	16	("4449235" "5091953" "5233540" "5245552" "5283834" "5355417" "5363451" "5396414" "5410607" "5415522" "5420932" "5473698" "5498127" "5515444" "5519637" "5748750").PN.	USPAT	2004/03/02 17:19
-	14	("3693749" "3936606" "3991849" "4044203" "4199295" "4255083" "4689821" "4700177" "4715559" "4947356" "4947434" "4967550" "5031222" "5060471").PN.	USPAT	2004/03/02 17:22
-	2	6031917.URPN.	USPAT	2004/03/02 17:24
-	0	6266427.URPN.	USPAT	2004/03/02 17:26
-	18	("3160549" "3976269" "4011356" "4068736" "4143495" "4235302" "4387786" "4416349" "4635882" "4741945" "4828202" "4924969" "5251849" "5280991" "5823467" "5862242" "5904318" "6031917").PN.	USPAT	2004/03/02 17:26
-	22	3976269.URPN.	USPAT	2004/03/02 17:27
-	18	("3160549" "3976269" "4011356" "4068736" "4143495" "4235302" "4387786" "4416349" "4635882" "4741945" "4828202" "4924969" "5251849" "5280991" "5823467" "5862242" "5904318" "6031917").PN.	USPAT	2004/03/02 17:31

-	86	381/353.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 17:34
-	13	381/353.ccls. and (piezo piezo adj electric\$5 piezoelectric\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 17:38
-	73	381/353.ccls. not (381/353.ccls. and (piezo piezo adj electric\$5 piezoelectric\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 17:37
-	0	1517063.URPN.	USPAT	2004/03/02 17:35
-	153	367/176.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 17:38
-	56	367/176.ccls. and (piezo piezo adj electric\$5 piezoelectric\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 17:40
-	161	367/162.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 17:45
-	9	2416337.URPN.	USPAT	2004/03/02 17:43
-	812	(electronic\$5 electric\$5) adj damp\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 17:46
-	175	(electronic\$5 electric\$5) adj damp\$3 and (panel wall)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 17:46
-	40	(electronic\$5 electric\$5) adj damp\$3 and (panel wall) and (piezo piezo adj (electric\$5 electroni\$5) piezoelectric\$5 piezoelectronic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 17:50
-	25	((electronic\$5 electric\$5) adj damp\$3 and (panel wall) and (piezo piezo adj (electric\$5 electroni\$5) piezoelectric\$5 piezoelectronic\$5)) and resonan\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 17:48
-	40	(electronic\$5 electric\$5) adj damp\$3 and (panel wall) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 18:23
-	12	4633982.URPN.	USPAT	2004/03/02 17:59
-	10	("4083433" "4633982" "4795123" "4849668" "4869474" "4940914" "5032753" "5156370" "5270607" "5347870").PN.	USPAT	2004/03/02 18:04
-	117	anti-resonan\$3 adj (point location node)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 18:08
-	7	(anti-resonan\$3 adj (point location node)) and (panel wall) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 18:10
-	489	resonant adj mode and damp\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 18:10

-	79	resonant adj mode with damp\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 18:10
-	22	(resonant adj mode with damp\$3) and (panel wall) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/04 08:13
-	3	4199989.URPN.	USPAT	2004/03/02 18:11
-	7	smart adj panel	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 18:19
-	9	(electronic\$5 electric\$5) adj damp\$3 and (shunt) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)\	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/04 08:13
-	9	(electronic\$5 electric\$5) adj damp\$3 and (shunt) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/02 18:23
-	2	("5495152" "5777445").PN.	USPAT	2004/03/02 18:25
-	49	"azima, henry".in. and damp\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/04 07:47
-	48	"azima, henry".in. and damp\$3 and resonan\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/04 07:48
-	48	"azima, henry".in. and damp\$3 and resona\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/04 07:53
-	0	"azima, henry".in. and damp\$3 and shunt	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/04 07:53
-	0	"azima, henry".in. and damp\$3 and shunt\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/04 07:53
-	582	acoustic adj panel	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/04 07:56
-	0	acoustic adj panel and shunt	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/04 07:56
-	1	acoustic adj panel and shunt\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/04 07:56
-	2	("5495152" "5777445").PN.	USPAT	2004/03/04 08:00
-	17	4940914.URPN.	USPAT	2004/03/04 08:04
-	1491	electric\$4 adj resona\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/04 08:13

-	579	(electric\$4 adj resona\$5) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/04 08:14
-	22	(electric\$4 adj resona\$5) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) and shunt	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/04 08:16
-	137	(electric\$4 adj resona\$5) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) and resist\$5 and induct\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/06 15:48
-	74	(electric\$4 adj resona\$5) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) and resist\$5 and induct\$5 and (damp\$3 attenuat\$3 cancel\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/04 08:18
-	21	4241806.URPN.	USPAT	2004/03/06 15:08
-	385	181/284.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/06 15:47
-	9	181/284.ccls. and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/06 15:55
-	3	("3834487" "5400296" "5526324").PN.	USPAT	2004/03/06 15:52
-	16	5400296.URPN.	USPAT	2004/03/06 15:53
-	37574	(wall panel) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/06 15:55
-	17388	((wall panel) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) and (sound acoustic music acoustic\$4 noise)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 13:12
-	6524	((wall panel) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) and (sound acoustic music acoustic\$4 noise)) and (resonan\$4 resonat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/06 15:56
-	341	((wall panel) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) and (sound acoustic music acoustic\$4 noise)) and (resonan\$4 resonat\$3)) and shunt	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/06 15:57
-	140	((wall panel) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) and (sound acoustic music acoustic\$4 noise)) and (resonan\$4 resonat\$3)) and shunt and board	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/06 15:57
-	47	((wall panel) and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) and (sound acoustic music acoustic\$4 noise)) and (resonan\$4 resonat\$3)) and shunt and board and absor\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 12:08
-	5	("4924640" "5107634" "5491938" "5816122" "6032552").PN.	USPAT	2004/03/07 12:21
-	0	6546316.URPN.	USPAT	2004/03/07 12:23
-	16	("4449235" "5091953" "5233540" "5245552" "5283834" "5355417" "5363451" "5396414" "5410607" "5415522" "5420932" "5473698" "5498127" "5515444" "5519637" "5748750").PN.	USPAT	2004/03/07 12:24
-	11	5410607.URPN.	USPAT	2004/03/07 12:28

-	2	4373608.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 12:57
-	6	4373608.URPN.	USPAT	2004/03/07 12:32
-	4	5241512.URPN.	USPAT	2004/03/07 12:42
-	24	("3715638" "3736552" "3786495" "3946422" "3973146" "4081626" "4246449" "4262399" "4429192" "4432007" "4439641" "4439847" "4530077" "4533795" "4783821" "4887246" "4887248" "4910840" "4916675" "4922471" "5208789" "5241512" "5408731" "5619476").PN.	USPAT	2004/03/07 12:50
-	209	181/208.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 12:57
-	1	181/208.ccls. and shunt\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 12:57
-	10	("3816774" "4028566" "4056742" "4565940" "4849668" "5485053" "5660624" "5719945" "6191519" "6411015").PN.	USPAT	2004/03/07 12:58
-	6	5719945.URPN.	USPAT	2004/03/07 13:04
-	3	("4352039" "5018203" "5719945").PN.	USPAT	2004/03/07 13:06
-	3	("4352039" "5018203" "5719945").PN.	USPAT	2004/03/07 13:10
-	186955	(piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 13:13
-	6	181/208.ccls. and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 13:15
-	28	("4025724" "4149612" "4373608" "4435751" "4442647" "4525791" "4600078" "4715559" "4930113" "5245664" "5315661" "5381381" "5410607" "5519637" "5621656" "5642445" "5695027" "5710714" "5794909" "5804775" "5873559" "5924532" "5924670" "5930371" "5954169" "6006875" "6024190" "6053275").PN.	USPAT	2004/03/07 13:15
-	6	((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) and (("4025724" "4149612" "4373608" "4435751" "4442647" "4525791" "4600078" "4715559" "4930113" "5245664" "5315661" "5381381" "5410607" "5519637" "5621656" "5642445" "5695027" "5710714" "5794909" "5804775" "5873559" "5924532" "5924670" "5930371" "5954169" "6006875" "6024190" "6053275").PN.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 13:30
-	5	("4025724" "4715559" "4878188" "4987598" "5091953").PN.	USPAT	2004/03/07 13:18
-	2	4158787.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 13:54
-	14	4158787.URPN.	USPAT	2004/03/07 13:31
-	5	5371801.URPN.	USPAT	2004/03/07 13:36

-	4	("3602844" "4158787" "4383230" "4485356").PN.	USPAT	2004/03/07 13:37
-	4	("4158787" "5170103" "5347870" "5460182").PN.	USPAT	2004/03/07 13:52
-	1595	310/51.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 13:54
-	29	((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) and 310/51.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:16
-	4	("2416337" "3029356" "3179823" "3400284").PN.	USPAT	2004/03/07 13:56
-	25	2133333.pn. 2126886.pn. 2154849.pn. 2156786.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:23
-	0	2154849.URPN.	USPAT	2004/03/07 14:18
-	9	2416337.URPN.	USPAT	2004/03/07 14:18
-	1606	smart and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:27
-	592	(smart and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5))) and (absorp\$5 absorb\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:28
-	362	(smart and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5))) and (absorp\$5 absorb\$4) and (sound audio acoustic\$4 music\$4 audible)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:29
-	362	(smart and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5))) and (absorp\$5 absorb\$4) and (sound audio acoustic\$4 music\$4 audibl\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:50
-	286	((smart and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5))) and (absorp\$5 absorb\$4) and (sound audio acoustic\$4 music\$4 audibl\$2)) and (panel wall)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:44
-	27	(smart and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5))) and (absorp\$5 absorb\$4) with (sound audio acoustic\$4 music\$4 audibl\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:50
-	24	(smart and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5))) and (absorp\$5 absorb\$4) with (sound audio acoustic\$4 music\$4 audibl\$2) and (wall panel)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:02
-	4	("5119427" "5574264" "5598479" "5627897").PN.	USPAT	2004/03/07 14:56
-	1	"5394478".PN.	USPAT	2004/03/07 14:57
-	4	5598479.URPN.	USPAT	2004/03/07 14:57
-	382	181/210.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:03
-	4	181/210.ccls. and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:03

-	79036	resonan\$3 adj frequenc\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:04
-	5731	resonan\$3 adj frequenc\$4 same (panel board wall)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:06
-	1162	resonan\$3 adj frequenc\$4 same (panel board wall) and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:06
-	550	resonan\$3 adj frequenc\$4 same (panel board wall) and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) and (peak nod\$2 antinod\$2 anti adj nod\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:11
-	21	resonan\$3 adj frequenc\$4 same (panel board wall) and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) same (peak nod\$2 antinod\$2 anti adj nod\$3) and (181/\$,ccls. 381/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:07
-	180	resonan\$3 adj frequenc\$4 same (panel board wall) and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) same (peak nod\$2 antinod\$2 anti adj nod\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:09
-	82	resonan\$3 adj mode same (panel board wall) and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) and (peak nod\$2 antinod\$2 anti adj nod\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:17
-	3	4199989.URPN.	USPAT	2004/03/07 15:26
-	9	("3699484" "3710148" "4158787" "4199989" "4365181" "5544662" "5558477" "6018210" "6121940").PN.	USPAT	2004/03/07 15:27
-	4	("4158787" "5170103" "5347870" "5460182").PN.	USPAT	2004/03/07 15:29
-	493	310/322.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:31
-	1421	310/322.ccls. 310/323.\$ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:32
-	1198	(310/322.ccls. 310/323.\$ccls.) and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:32
-	274	(310/322.ccls. 310/323.\$ccls.)and (absorp\$5 absorb\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 15:32
-	274	(310/322.ccls. 310/323.\$ccls.) and (absorp\$5 absorb\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 16:03
-	2	6041125.URPN.	USPAT	2004/03/07 15:39
-	2	("5778081" "6041125").PN.	USPAT	2004/03/07 15:42
-	9	4016530.URPN.	USPAT	2004/03/07 15:44
-	9	5355417.URPN.	USPAT	2004/03/07 15:51

-	16	("4449235" "5091953" "5233540" "5245552" "5283834" "5355417" "5363451" "5396414" "5410607" "5415522" "5420932" "5473698" "5498127" "5515444" "5519637" "5748750").PN.	USPAT	2004/03/07 15:55
-	18	("3936606" "4044203" "4359136" "4473906" "4527282" "4665549" "4677676" "4677677" "4697668" "4703506" "4736431" "4815139" "4837834" "4872528" "4987598" "5022082" "5033082" "5091954").PN.	USPAT	2004/03/07 15:55
-	47	4665549.URPN.	USPAT	2004/03/07 15:56
-	9	5024288.URPN.	USPAT	2004/03/07 15:57
-	1489	electric\$4 adj resona\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 16:04
-	579	electric\$4 adj resona\$4 and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 16:05
-	419	310/326.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 16:06
-	419	310/326.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 16:37
-	14	("4626730" "4849668" "4940914" "5126641" "5378974" "5558477" "5668744" "5714831" "5783898" "5802184" "5838092" "6018210" "6191519" "6252334").PN.	USPAT	2004/03/07 16:11
-	5	("3881137" "4122725" "4987564" "5262677" "5337090").PN.	USPAT	2004/03/07 16:29
-	25	3881137.URPN.	USPAT	2004/03/07 16:31
-	464	310/316.01.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 16:37
-	464	310/316.01.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 16:41
-	729	310/317.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 13:51
-	30	310/317.ccls. and (anti adj nod\$2 antinod\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:02
-	19	5315203.URPN.	USPAT	2004/03/07 16:56
-	192218	((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:03
-	7580	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) and passive\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:03

-	4169	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) and passive\$2) and (absorb\$4 absorp\$4 muffl\$4 insulat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:07
-	3767	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) and passive\$2) and (absorb\$4 absorp\$4 muffl\$4 insulat\$4) and (panel wall structure)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:09
-	0	181/210.ccls. and smart	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:09
-	382	181/210.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:09
-	4	181/210.ccls. and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:15
-	44	4447493.URPN.	USPAT	2004/03/07 17:11
-	24	("Re24191" "2443471" "3571632" "3794866" "4047060" "4083433" "4249421" "4255965" "4447493" "4528652" "4626730" "4630072" "4633982" "4635882" "4654554" "4725994" "4795123" "4849668" "4865345" "4883248" "4958100" "5032753" "5108802" "5142511").PN.	USPAT	2004/03/07 17:12
-	10	1689339.pn. 1788519.pn. 2345491.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:17
-	676	181/290.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:17
-	1600	181/29?.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:18
-	2719	181/29?.ccls. 181/28?.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:18
-	1611	181/29?.ccls. 181/28?.ccls. and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 12:53
-	23	(181/29?.ccls. 181/28?.ccls.) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 09:38
-	204850	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 09:28
-	25	(181/29?.ccls. 181/28?.ccls.) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:44
-	4	5241512.URPN.	USPAT	2004/03/07 17:36

-	16621	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:45
-	8873	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibl\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:46
-	8996	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibl\$2 audio)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:46
-	1604	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibl\$2 audio)) and (passive shunt)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:46
-	1252	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibl\$2 audio)) and (passive)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:46
-	149	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound acoustic\$4 audibl\$2 audio)) and (passive) and shunt	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:54
-	121	passive.ti. and damping.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:54
-	144	310/317.ccls. and (peak)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 18:02
-	169	310/317.ccls. and (peak antinod\$3 anti adj nod\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 18:03
-	30	310/317.ccls. and (antinod\$3 anti adj nod\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 18:24
-	5	("2043416" "4044203" "4715559" "4947434" "5091953").PN.	USPAT	2004/03/07 18:10
-	17	4940914.URPN.	USPAT	2004/03/07 18:11
-	14	("4626730" "4849668" "4940914" "5126641" "5378974" "5558477" "5668744" "5714831" "5783898" "5802184" "5838092" "6018210" "6191519" "6252334").PN.	USPAT	2004/03/07 18:20
-	60	4849668.URPN.	USPAT	2004/03/07 18:21
-	60	4849668.URPN.	USPAT	2004/03/07 18:21
-	652	310/321.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 18:25
-	162	310/321.ccls. and (audio audibl\$2 sound music acoustic\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 18:25
-	202	310/321.ccls. and (audio audibl\$2 sound music acoustic\$4 noise)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 18:25

-	168	310/321.ccls. and (audio audibl\$2 sound music acoustic\$4 noise) and resonan\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 18:37
-	13	4467236.URPN.	USPAT	2004/03/07 18:31
-	306	381/431.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 18:37
-	56	381/431.ccls. and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 18:45
-	3	4199989.URPN.	USPAT	2004/03/07 18:43
-	338	381/354.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 18:45
-	20	381/354.ccls. and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:30
-	19	4807294.URPN.	USPAT	2004/03/07 18:52
-	15	("3719838" "3754152" "4158787" "4633982" "4940914" "5087850" "5170103" "5270607" "5347870" "5357423" "5378974" "5390949" "5558477" "5783898" "5857694").PN.	USPAT	2004/03/07 19:09
-	8	5087850.URPN.	USPAT	2004/03/07 19:13
-	7	("Re33028" "4080636" "4229692" "4633982" "4929874" "5156370" "5251264").PN.	USPAT	2004/03/07 19:16
-	9	5783898.URPN.	USPAT	2004/03/07 19:17
-	12	4633982.URPN.	USPAT	2004/03/07 19:19
-	19	5315203.URPN.	USPAT	2004/03/07 19:21
-	3	6102426.URPN.	USPAT	2004/03/07 19:24
-	26859	(sound noise audio) adj absor\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:31
-	21	((sound noise audio) adj absor\$5) and passive\$2 near4 damp\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:33
-	245	381/71.\$.ccls. and passive	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:34
-	76	381/71.\$.ccls. and passive and damp\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:34
-	31	(381/71.\$.ccls. and passive and damp\$3) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:34
-	2	4,715,559.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:47
-	5	("4924640" "5107634" "5491938" "5816122" "6032552").PN.	USPAT	2004/03/07 19:41

-	10	("3816774" "4028566" "4056742" "4565940" "4849668" "5485053" "5660624" "5719945" "6191519" "6411015").PN.	USPAT	2004/03/07 19:42
-	11	4028566.URPN.	USPAT	2004/03/07 19:44
-	16621	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:47
-	87430	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 shunt	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:47
-	596	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 and shunt	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:47
-	746	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 and shunt\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:48
-	325	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 and shunt\$3 and (tune tuning)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:48
-	426	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 and shunt\$3 and (tune\$2 tuning\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:48
-	284	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 and shunt\$3 and (tune\$2 tuning\$2) and (audio audible sound noise)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:50
-	137	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and resonan\$3 adj frequenc\$3 and shunt\$3 and (tune\$2 tuning\$2) and (audio audible sound noise) and (damp\$3 absorb\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:54
-	223	forward.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 19:55
-	34	"forward, robert".in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 14:50
-	22	3976269.URPN.	USPAT	2004/03/07 19:57
-	18	("3160549" "3976269" "4011356" "4068736" "4143495" "4235302" "4387786" "4416349" "4635882" "4741945" "4828202" "4924969" "5251849" "5280991" "5823467" "5862242" "5904318" "6031917").PN.	USPAT	2004/03/07 19:59
-	16	("4449235" "5091953" "5233540" "5245552" "5283834" "5355417" "5363451" "5396414" "5410607" "5415522" "5420932" "5473698" "5498127" "5515444" "5519637" "5748750").PN.	USPAT	2004/03/07 20:01
-	2	("5343713" "5511127").PN.	USPAT	2004/03/07 20:02
-	9	5355417.URPN.	USPAT	2004/03/07 20:03
-	2	1930536.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 09:11

-	3	1930536.URPN.	USPAT	2004/03/08 09:03
-	16	("4449235" "5091953" "5233540" "5245552" "5283834" "5355417" "5363451" "5396414" "5410607" "5415522" "5420932" "5473698" "5498127" "5515444" "5519637" "5748750").PN.	USPAT	2004/03/08 09:08
-	60	381/71.2.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT	2004/03/08 09:12
-	14	("3693749" "3936606" "3991849" "4044203" "4199295" "4255083" "4689821" "4700177" "4715559" "4947356" "4947434" "4967550" "5031222" "5060471").PN.	USPAT	2004/03/08 09:14
-	10	3991849.URPN.	USPAT	2004/03/08 09:15
-	24	("3887031" "3910374" "3991849" "4084367" "4150732" "4155211" "4187027" "4231447" "4292375" "4298090" "4416349" "4433751" "4562901" "4674712" "4751979" "4787473" "4821841" "4944362" "5445861" "5581054" "5670758" "5690035" "5904318" "5923003").PN.	USPAT	2004/03/08 09:20
-	18	3887031.URPN.	USPAT	2004/03/08 09:26
-	204850	((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 09:28
-	1	3887031.URPN. and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 09:28
-	25	(181/29?.ccls. 181/28?.ccls.) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT or PVDF)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 10:31
-	4	4628490.URPN.	USPAT	2004/03/08 09:52
-	7	("3647022" "3894169" "4390976" "4571520" "4628490" "4982385" "5420825").PN.	USPAT	2004/03/08 09:54
-	6	5526324.URPN.	USPAT	2004/03/08 09:55
-	6	("4211303" "4234054" "5052513" "5526324" "5702230" "6109387").PN.	USPAT	2004/03/08 10:01
-	18	("4421811" "4484856" "4615214" "4715559" "4761582" "4815139" "4926963" "4967550" "5018203" "5024288" "5119427" "5310586" "5315661" "5370340" "5371801" "5415522" "5423658" "5498127").PN.	USPAT	2004/03/08 10:02
-	5	("4025724" "4715559" "4878188" "4987598" "5091953").PN.	USPAT	2004/03/08 10:04
-	13	5315661.URPN.	USPAT	2004/03/08 10:04
-	3	5919029.URPN.	USPAT	2004/03/08 10:09
-	18	("4044203" "4715559" "4815139" "5018203" "5119427" "5315661" "5341857" "5355417" "5370340" "5382134" "5423658" "5478199" "5498127" "5558298" "5590849" "5618010" "5702230" "5732547").PN.	USPAT	2004/03/08 10:09
-	7	3647022.URPN.	USPAT	2004/03/08 10:17
-	4	("2270902" "3298457" "3130700" "3078948").PN.	USPAT	2004/03/08 10:19
-	19	3130700.URPN.	USPAT	2004/03/08 10:22
-	9	("3110262" "3130700" "4173130" "4350233" "4560150" "4706788" "5712447" "5855260" "5984233").PN.	USPAT	2004/03/08 10:26

-	337	381/190.ccls. and (panel wall structure)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 10:31
-	117	381/190.ccls. and (panel wall structure) and (damp\$3 absorb\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 10:31
-	1274	381/190.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 10:39
-	81899	resonan\$3 adj (mode frequenc\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 10:40
-	17106	(resonan\$3 adj (mode frequenc\$3)) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 10:40
-	4945	(resonan\$3 adj (mode frequenc\$3)) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and (damp\$3 absorb\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 10:40
-	5418	(resonan\$3 adj (mode frequenc\$3)) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and (damp\$3 absorb\$3 shunt\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 10:40
-	4358	(resonan\$3 adj (mode frequenc\$3)) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and (damp\$3 absorb\$3 shunt\$3) and (panel wall structure)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 10:41
-	87	(resonan\$3 adj (mode frequenc\$3)) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and (damp\$3 absorb\$3 shunt\$3) and (panel wall structure) and electric\$4 adj (mode resonan\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 11:17
-	33	("3398535" "3477231" "3611724" "3652184" "3991849" "4155221" "4491761" "4518888" "4759513" "4836469" "4849668" "4883248" "4967550" "5025888" "5052529" "5102298" "5141392" "5169288" "5195046" "5242130" "5270607" "5315203" "5348124" "5370340" "5374011" "5411370" "5423658" "5478199" "5485053" "5515458" "5541857" "6076776" "6102426").PN.	USPAT	2004/03/08 10:55
-	13	("3520195" "3967143" "4193010" "4406965" "4489609" "4692649" "4709360" "4740726" "4780062" "4833358" "4879528" "5061882" "5117148").PN.	USPAT	2004/03/08 10:58
-	24	("Re24191" "2443471" "3571632" "3794866" "4047060" "4083433" "4249421" "4255965" "4447493" "4528652" "4626730" "4630072" "4633982" "4635882" "4654554" "4725994" "4795123" "4849668" "4865345" "4883248" "4958100" "5032753" "5108802" "5142511").PN.	USPAT	2004/03/08 11:01
-	19	5315203.URPN.	USPAT	2004/03/08 11:06
-	8	("4398173" "4432565" "5315203" "5934733" "6176544" "6296303" "6351962" "6411018").PN.	USPAT	2004/03/08 11:09

-	8	("4398173" "4432565" "5315203" "5934733" "6176544" "6296303" "6351962" "6411018").PN.	USPAT	2004/03/08 11:09
-	652	310/321.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 11:11
-	1852	(resonan\$3 adj (mode frequenc\$3)) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and (damp\$3 absorb\$3 shunt\$3) and (panel wall structure) and (electric\$4 adj (mode resonan\$3) tun\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 11:18
-	1814	(resonan\$3 adj (mode frequenc\$3)) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and (damp\$3 absorb\$3 shunt\$3) and (panel wall structure) and (tun\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 11:19
-	985	(resonan\$3 adj (mode frequenc\$3)) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and (damp\$3 absorb\$3 shunt\$3) and (panel wall structure) and (tun\$3) and absorb\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 11:19
-	77	(resonan\$3 adj (mode frequenc\$3)) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and (damp\$3 absorb\$3 shunt\$3) and (panel wall structure) and (tun\$3) and absorb\$3 near4 (sound audio noise)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 12:40
-	4	("2416337" "3029356" "3179823" "3400284").PN.	USPAT	2004/03/08 11:20
-	9	2416337.URPN.	USPAT	2004/03/08 11:22
-	18	("2416337" "4314495" "4849668" "4868447" "4869768" "4876776" "4922096" "4940914" "4958100" "4961627" "5016333" "5022272" "5030490" "5032753" "5081391" "5126615" "5129132" "5245245").PN.	USPAT USPAT	2004/03/08 11:24
-	47	4868447.URPN.	USPAT	2004/03/08 12:04
-	11	("4158787" "4565940" "4849668" "4868447" "5032753" "5130948" "5270607" "5424596" "5525853" "5558477" "5838092").PN.	USPAT USPAT	2004/03/08 12:09
-	4	5838092.URPN.	USPAT	2004/03/08 12:18
-	9	("4565940" "4626730" "4833659" "5458222" "5485053" "5519278" "5838092" "6116389" "6394242").PN.	USPAT	2004/03/08 12:19
-	10	5485053.URPN.	USPAT	2004/03/08 12:27
-	30	("3940553" "4447493" "4778028" "5099962" "5214549" "5282100" "5422767" "5430589" "5473122" "5483397" "5485053" "5517375" "5654847" "5666239" "5667204" "5725931" "5757580" "5761184" "5781373" "5838092" "5875067" "5949033" "5982580" "RE36806" "6172842" "6229668" "6256165" "6266207" "6279679" "6308961").PN.	USPAT USPAT	2004/03/08 12:36
-	4	("5528005" "5550335" "5583324" "5691516" "B1 6173805").PN.	USPAT	2004/03/08 12:38
-	6	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and 181/208.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 12:40
-	5	("4374172" "5241512" "5332061" "5434783" "5473125").PN.	USPAT	2004/03/08 12:43

-	25	(181/29?.ccls. 181/28?.ccls.) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 13:01
-	1747	52/144.ccls. 52/145.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 13:01
-	1	(52/144.ccls. 52/145.ccls.) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 13:01
-	6	("3179823" "4158787" "4197478" "4363991" "4565940" "4626730").PN.	USPAT	2004/03/08 13:06
-	9	5783898.URPN.	USPAT	2004/03/08 13:49
-	252	310/317.ccls. and resonan\$3 adj (mode frequenc\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 14:01
-	142	310/317.ccls. and resonan\$3 adj (mode frequenc\$3) and (sound noise acoustic\$4 audibl\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 14:01
-	1	"park, chul-hue".in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 14:01
-	61	310/317.ccls. and resonan\$3 adj (mode frequenc\$3) and electric\$4 near4 resonan\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 14:04
-	12	passive near4 (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) near4 shunt\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 14:07
-	193	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) near4 shunt\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 14:07
-	94	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) near4 shunt\$3 and resonan\$3 adj (mode frequenc\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 14:10
-	846	mathur.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 14:10
-	7	"mathur, gopal".in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 14:13
-	170	700/280.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 14:14
-	24	700/280.ccls. and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 14:14
-	60	4849668.URPN.	USPAT	2004/03/08 14:19

-	18	("3160549" "3976269" "4011356" "4068736" "4143495" "4235302" "4387786" "4416349" "4635882" "4741945" "4828202" "4924969" "5251849" "5280991" "5823467" "5862242" "5904318" "6031917").PN.	USPAT	2004/03/08 14:26
-	4	5241512.URPN.	USPAT	2004/03/08 14:41
-	24	("3715638" "3736552" "3786495" "3946422" "3973146" "4081626" "4246449" "4262399" "4429192" "4432007" "4439641" "4439847" "4530077" "4533795" "4783821" "4887246" "4887248" "4910840" "4916675" "4922471" "5208789" "5241512" "5408731" "5619476").PN.	USPAT USPAT	2004/03/08 14:45
-	4	("3602844" "4158787" "4383230" "4485356").PN.	USPAT	2004/03/08 14:49
-	5	5371801.URPN.	USPAT	2004/03/08 14:50
-	960	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and sound adj (absorb\$4 absorp\$6)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 14:51
-	116	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and sound adj (absorb\$4 absorp\$6) AND (shunt\$3 passive\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 14:51
-	39	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and sound adj (absorb\$4 absorp\$6) AND (shunt\$3 passive\$2) and resonan\$3 adj (frequenc\$3 mode)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 15:12
-	6	5719945.URPN.	USPAT	2004/03/08 14:59
-	7	("4056742" "4322877" "4565940" "4954781" "5091953" "5115472" "5142511").PN.	USPAT	2004/03/08 15:05
-	11	5410607.URPN.	USPAT	2004/03/08 15:07
-	137	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and 381/71.\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 15:12
-	78	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and 381/71.\$.ccls. and (passive\$2 shunt\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 16:00
-	6	("4495434" "5115472" "5410607" "5651072" "5812684" "6031917").PN.	USPAT	2004/03/08 15:50
-	1	6178246.URPN.	USPAT	2004/03/08 15:51
-	1	"4626730".PN.	USPAT	2004/03/08 15:56
-	391	constrained adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 16:00
-	268	constrained adj layer adj damp\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 16:05
-	27	(constrained adj layer adj damp\$3) and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 16:01
-	28	constrain\$3 adj layer adj damp\$3 and (((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/08 16:05